INCH-POUND

MIL-DTL-55507F(CR)
9 July 1997
SUPERSEDING
MIL-S-55507E(CR)
10 JUNE 1991

DETAIL SPECIFICATION

SHELTER, ELECTRICAL EQUIPMENT
(WITH OR WITHOUT EQUIPMENT),
PACKAGING OF

This specification is approved for use by Communications-Electronic Command, Department of the Army, and is available for use by all Departments and Agencies of the Department of Defense.

1. SCOPE.

1.1 Scope. This specification covers the performance requirements for packaging of the following Shelters, Electrical Equipment, with or without equipment, for shipment and in-transit storage:

S-141( )/G
S-144( )/G
S-144( )/G 3/4T
S-144( )/G 1-1/4T
S-250/G
S-250( )/G
S-250( )/G (M880)
S-250E/G 1-1/4T (M561 and M715)
S-250( )/G 1-1/4T (M561 and M715)
S-250/G and S-250E/G 1-1/4 HMWWV
S-280( )/G
S-318( )/G
S-318( )/G 3/4T and 1-1/4T (M561 or M715)

2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in sections 3 and 4 of this specification, whether or not they are listed.

2.2 Government documents

2.2.1 Specifications, standards, and handbooks The following specifications standards and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to U.S. Army Communications-Electronics Command, ATTN: AMSEL-LC-LEO-E-ET-3, Fort Monmouth, New Jersey 07703-5023, by using the Standardization Document Impr Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A AREA - PACK
DISTRIBUTION STATEMENT A Approved for public release; distribution is unlimited.

documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.1).

SPECIFICATIONS

FEDERAL

PPP-B-601	-	Boxes, Wood, Cleated, Plywood
PPP-B-621	-	Boxes, Wood, Nailed and Lock-Corner
PPP-P-40	-	Packaging and Packing of Hand Tools
A-A-1051	-	Paperboard, Wrapping and Cushioning
A-A-1451	-	Twine, Fibrous
A-A-1898	-	Cushioning Material, Cellulosic, Packaging

DEPARTMENT OF DEFENSE

MIL-C-3774	-	Crates, Wood, Open (12,000 and 16,000 Pound Capacity)
MIL-C-12000	-	Cable, Cord and Wire, Electric, Packaging Of
MIL-C-16173	-	Corrosion Preventive Compound, Solvent Cutback, Cold Application
MIL-C-27260	-	Tie Down, Cargo, Aircraft, CGU-1/B
MIL-C-52950	-	Crates, Wood, Open and Covered

STANDARDS

DEPARTMENT OF DEFENSE

MIL-STD-129	-	Marking for Shipment and Storage
MIL-STD-2073-1	-	Standard Practice for Military Packaging

HANDBOOKS

DEPARTMENT OF DEFENSE

MIL-HDBK-129	-	Military Marking

(Unless otherwise indicated, copies of the above specifications, standards, and handbooks are available from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

2.1.2 Other Government documents, drawings, and publications The following other Government documents drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

TECHNICAL BULLETIN

TB 43-0124	-	Maintenance and Repair Procedure for Shelters, Electrical Equipment (Various)

(Copies of and Technical Bulletins required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting activity.)"

2.2 Non-Government publications The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted are those listed in the issue of the DODISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS are the issues of the documents cited in the solicitation (see 6.1).

AMERICAN SOCIETY FOR QUALITY CONTROL (ASQC)

ASQC-Z1.4 - Sampling Procedures and Tables for Inspection by Attributes (DoD Adopted)

(Application for copies should be addressed to the American Society for Quality Control, P.O. Box 3005, 611 E. Wisconsin Avenue, Milwaukee, WI 53201-4606.)

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D 1974 - Standard Practice for Methods of Closing, Sealing, and Reinforcing Fiberboard Boxes (DOD Adopted)
ASTM D 3951-95 - Standard Practice for Commercial Packaging (DOD Adopted)
ASTM D 3953 - Standard Specification for Strapping, Flat Steel and Seals (DOD Adopted)
ASTM D 4169 - Performance Testing of Shipping Containers and Systems
ASTM D 4675 - Standard Guide for Selection and Use of Flat Strapping Materials (DOD Adopted)
ASTM D 4727 - Standard Specification for Corrugated and Solid Fiberboard Sheet Stock (Container Grade) and Cut Shapes (DOD Adopted)
ASTM D 5118 - Standard Practice for Fabrication of Fiberboard Shipping Boxes (DOD Adopted)
ASTM D 5168 - Standard Practice for Fabrication and Closure of Triple-Wall Corrugated Fiberboard Containers (DOD Adopted)
ASTM D 5486 - Standard Specification for Pressure-Sensitive Tape for Packaging, Box Closure, and Sealing

(Application for copies should be addressed to the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.)

NATIONAL AEROSPACE STANDARDS

NAS 3417 - Packaging of Electrical Cable-Cord-Wire (DOD Adopted)
NAS 3426 - Electrical Harness-Cable Assemblies, Packaging Of (DOD Adopted)

(Application for Copies should be addressed to the Aerospace Industries Association of America (AIA/NAS), 1250 Eye Street, N W, Suite 1100, Washington, DC 20005.)

2.3 Order of precedence In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence.

3. REQUIREMENTS

3.1 Preservation. Preservation shall be level A or B, as specified (see 6.1).

3.1.1 Level A.

3.1.1.1 Cleaning. Shelter and equipment shall be cleaned by any process which will not damage the equipment.

3.1.1.2 Drying. Shelter and equipment shall be dried by any process which will not damage the equipment.

3.1.1.3 Preservative application Preservative application shall be as specified in 3.2.1.1.2.

3.1.1.4 Unit Packing. Each shelter and equipment shall be unit packed in accordance with the methods and sub methods prescribed herein.

3.1.1.4.1 Technical literature Technical literature shall be unit packed by placing it within a sealed waterproof bag.

3.1.1.4.2 Electronic and electrical equipment and associated parts Unit pack each in accordance with ASTM D 3951-95.

3.1.1.4.3 Cable and cord assemblies Unit pack each in accordance with NAS 3417 or NAS 3426.

3.1.1.4.4 Cable, cord, and wire Unit pack each in accordance with NAS 3417 OR MIL-C-12000.

3.1.1.4.5 Hand tools. Unit pack in accordance with the requirements of ASTM D 3951-95 or PPP-P-40.

3.1.1.4.6 Shelter. Each shelter, with or without contents, shall be provided with physical and mechanical protection prior to storage. Prior to stowage of items and equipment in the shelter, dust caps shall be used to cover cable connectors. Close and secure all windows, blackout blinds, shields over louver vents, blower exhaust vents and heating intake and door. Position and secure the fire extinguishers. Close and secure mail slot covers.

3.1.1.4.6.1 Set, sling and installation hold-down assemblies Unit pack each set in a close-fitting fiberboard box conforming to ASTM D 5118/ D 5118M, class domestic. Fill void space with cushioning conforming to A-A-1898, Grade II. Close the box in accordance with ASTM D 1974 and stow in shelter. In the S-280()/G Shelter, a 5/16 in. standard thread "eye" bolt

shall be mounted in the threaded insert provided in the floor inside the door of the shelter. The packed set shall be secured to the "eye" bolt with 24-ply twine conforming to A-A-1451, or equivalent, in a manner that will prevent movement within the shelter.

3.1.1.4.6.2 External components When external components are secured to the outside of the shelter, such as air conditioning units, blocking and bracing as applicable shall be applied to provide adequate protection against damage.

3.1.1.4.7 Stowage within shelter

3.1.1.4.7.1 Major components Secure all fastenings, shock mounts, bolts, nuts, screws, and straps of all major and auxiliary units mounted on the floor, shelves or walls of the shelter. Place and secure all covers over equipment.

3.1.1.4.7.2 Other items. Stow items within designated compartments of cabinets and drawers to the maximum capacity.

3.1.1.4.7.3 Overflow items After cabinets and drawers have been filled, the remaining items shall be stowed in boxes as follows: Group like items, bearing the same stock numbers, together and place them into an ASTM D 5118/D 5118M, class domestic, fiberboard box. Close the box in accordance with ASTM D 1974. Depending upon available floor space to be utilized, overpack overflow items in fiberboard boxes conforming to ASTM D 5168, style E, class weather-resistant. Block and brace the contents of the box with fiberboard cells and pads conforming to ASTM D 4727/D 4727M to prevent movement during transit. Close the box in accordance with ASTM D 1974.

3.1.1.4.7.4 Shelter interior blocking Shock mounted equipment shall float free without blocking and bracing. Utilize the integral tie-downs to block, brace, secure, and immobilize the stowed load. Design and construct a blocking and bracing assembly, when built-in tie-downs are not available, to support and prevent the load from shifting. Fabricate the assembly of triple-wall, corrugated, weather-resistant fiberboard or a wood assembly conforming to ASTM D 4727/D 4727M. Wood blocks may be used, as required, to supplement the fiberboard fabrication. Cushion wood blocks contacting equipment with A-A-1051, type TT, paperboard.

3.1.1.4.8 Stowage outside shelter

3.1.1.4.8.1 Remaining items Remaining items, not capable of being stowed within the shelter, shall be placed into wood boxes conforming to PPP-B-621, class 2, style 4; or PPP-B-601, overseas type. Block to prevent movement. Close the box in accordance with the appendix of the box specification.

3.1.1.4.8.2 Padlock and keys Shelters for delivery shall be padlocked. Padlock keys shall be concealed by attaching to the underside of the door cover with tape conforming to ASTM D 5486/D 5486M. The shipping document shall be so annotated. Attach the technical literature, unit packed as specified in 3.1.1.4.1, in a conspicuous position easily accessible on opening of shelter door. Close and secure the door with padlock.

3.1.2 Level B.

3.1.2.1 Cleaning, drying, preservative application and unit packing Each shelter and equipment shall be cleaned, dried, preserved, and unit packed as specified in 3.1.1.

3.2 Packing.

3.2.1 Level A.

3.2.1.1 Crate. Each shelter, unit packed as specified in 3.1, shall be packed in a crate conforming to MIL-C-3774, (modified) type II, bolted, fully demountable, skid base. The crate rubbing strips shall be made of nominal 4 in. thick lumber and shall be approximately the same width as the skids. When crates exceed 100 feet in length, the rubbing strip located at the center of gravity shall be increased to 34 inches (17 inches on each side of center) and the fork-lift openings on each side of the 34 inch center strip shall be 23 inches and 12 inches respectively (see figures 1, 2, 3, and 4). As an alternate, shelter systems based on the S-250()/G configuration may be packed in a create conforming to MIL-C-52950 (modified), type V, style A, demountable. Load bearing floorboards shall be made of 2 by 4 inch (nominal) lumber.

3.2.1.1.1 Buttress blocking and bracing of shelter in crate Wood blocks, 4 by 4 inch stock or two pieces, 2 by 4 inch stock, shall be securely fastened to the skid base with nails. The wood blocks (figures 3 and 4, item 2) shall be notched when required, to accommodate the towing eyes, bolts, rivet heads, etc., on the shelter to allow a full length bearing surface.

3.2.1.1.2 Skids and hold-downs Crate skids shall be equipped with 3/8 inch diameter forged steel "U" bolts, 1/2 inch diameter forged steel "eye" bolts, or 1/2 inch diameter forged steel "nut eyes" and 1/2 inch diameter carriage bolts, treated to resist corrosion. Position the bolts on the skid to effect a 45 degree angle with the lifting eyes located at the top corners of the shelter. The bolts shall be of sufficient length to extend through the crate skids and accommodate washers and check nuts or nut eyes and nuts. After the bolt check nuts have been pulled tight, the bolt threads shall be upset and coated with a preservative conforming to MIL-C-16173, grade 1, to prevent loosening and corrosion. All check nuts, bolts, and carriage bolt heads on the underside of the skid shall be countersunk flush to prevent friction or drag.

3.2.1.1.3 Tie-downs. Attach CGU-1/B cargo tie-downs conforming to MIL-T-27260 as illustrated (see figure 9). Attach the fixed hook assembly to the lifting eyes located at the top corners of the shelter and secure the opposite end (45 degree angle) adjustable hook assembly to the hold-downs on the skid base. The straps shall be made semi-taut by first using the adjusting mechanism for strap length and then the tensioning mechanism using the procedure specified in MIL-T-27260. When tensioning operation is completed, wrap the excess strapping around the ratchet/tensioning mechanism and secure with tape conforming to ASTM D 5486/D 5486M.

3.2.1.1.4 Blocking and bracing of shelter on flat car Blocking, bracing and securing of shelters shall be as illustrated (see figures 5 and 6). When 4 inch thick wood is specified, two pieces, 2 by 4 inch stock may be substituted to facilitate nailing.

3.2.1.1.5 Wood boxes containing overflow items Containers, as specified in 3.1.1.4.8.1, shall be secured with flat steel strapping conforming to ASTM D 3953, type 1 or 2, finish coating (zinc). Apply strapping in accordance with ASTM D 4675. The wood box shall be blocked, braced and secured on the flat car in a manner to prevent movement in transit.

3.2.2 Level B.

3.2.2.1 Center of balance When the center of balance lies within the center 1/3 of the forklift openings of the shelter, no packing is required. When the shelter does not meet the above criteria, a skid base only, as specified in 3.2.1, shall be required (see figures 3 and 4).

3.2.2.2 Uncrated shelters Uncrated shelters shall be blocked, braced and secured on rail cars as illustrated (see figures 7 and 8). When 4 inch thick wood is specified, 2 by 4 stock may be substituted to facilitate nailing.

3.2.2.3 Clearance. A 5-1/2 inch minimum clearance shall be provided between uncrated shelters shipped on flat bed trucks. Wood blocking shall be secured to the bed of the truck between shelters to prevent movement. Tie-down devices shall be secured in a manner that will prevent scraping and chafing or otherwise damage the exterior of the shelter.

3.3 Marking. Marking shall be in accordance with the applicable provisions of MIL-STD-129 and MIL-HDBK-129. In addition, crated shelters shall be marked in accordance with the requirements of MIL-C-3774. The following notice shall be stenciled on the exterior sides and ends of the crate with letters 3 inches high.

BOLTED DEMOUNTABLE REUSABLE CRATE
DO NOT DESTROY
USER TO RETAIN TIE-DOWN STRAPS AND
CRATE WITH HARDWARE FOR FUTURE SHIPMENTS

3.3.1 Storage in excess of 30 days The following notice will be stenciled on exterior end and sides in letters 3 inches high:

IF SHELTER IS TO BE STORED LONGER THAN 30 DAYS, THE REQUIREMENTS OF TB 43-0124 SHALL BE FOLLOWED. THE COGNIZANT SHIPPER MUST BE CONTACTED FOR AUTHORIZATION TO REMOVE CAR SEALS AND LOCKS, ETC. ALL SHIPPING DOCUMENTS SHALL ALSO CITE THE ABOVE."

3.4 Package performance Package testing shall be performed in accordance with the applicable provisions of ASTM D 4169 or MIL-STD-2073-1. The rough handling test will be performed only when invoked in the bid request or contract (see 6.1).

3.5 Workmanship. The quality of workmanship shall be such as to permit acceptance of the completed packaging requirements in accordance with the testing specified in section 4.

4. VERIFICATION

4.1 Quality conformance inspection Quality conformance inspection of Section 3 requirements shall be in accordance with the applicable provisions of ASTM D 4169 or MIL-STD-2073-1. Inspection lots shall be in accordance with ASQC-Z1.4.

4.1.1 Materials inspection All materials to be used in packaging shall be inspected in accordance with the applicable material specification.

4.1.2 Preservation inspection Inspection of preservation and interior markings shall be in accordance with MIL-STD-2073-1, MIL-STD-129, and MIL-HDBK-129, as applicable. Lot formation shall consist of all packs made of the same materials during an identifiable period and submitted at one time for acceptance. Sampling procedures shall be as specified in ASQC-Z1.4.

4.1.3 Packing inspection Inspection of packing and the marking for shipment and storage shall consist of the examinations specified in Table I, "Packing inspection provisions." Lot formation shall consist of all packs made of the same materials during an identifiable period and submitted at one time for acceptance. Sampling procedures shall be in accordance with ASQC-Z1.4.

TABLE I. Packing inspection provisions

NO.	CHARACTERISTIC	METHOD OF INSPECTION
101	Intermediate container not as specified	Visual
102	Improper closure of intermediate container	Visual
103	Shipping containers not in accordance with specification	Visual
104	Excessive cube	Visual
105	Improper blocking and bracing	Visual
106	Closure not in accordance with specification	Visual
107	Weight and size exceed container limitations	Weight and Measure
108	Strapping not in accordance with specification, incorrectly applied, omitted	Visual
109	Marking omitted, incorrect, or illegible	Visual

5. PACKAGING

5.2 Packaging. Not applicable to this specification.

6. NOTES

(This section contains information of a general or explanatory nature which may be helpful, but is not mandatory.)

6.1 Ordering data. Acquisition documents should specify the following:

a. Title, number, and date of this specification and any amendment thereto.

b. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.1.1 and 2.2).

b. Level A or B preservation and packing (see section 3).

c. When rough handling test is required (see section 4).

6.2 In-transit storage. When in-transit periods exceed 30 days, the moisture accumulation shall be kept to a minimum by keeping shelter doors, louver covers, and drain holes open during periods of indoor storage. During storage outdoors, the doors and drain holes shall be closed, but the louver covers shall be kept open. All shipping documents (i.e., GBL's, DD Forms 1348, etc.) shall be annotated with the following:

NOTICE - ALL FREIGHT FORWARDERS, CARRIERS, REDISTRIBUTION POINTS, RECEIVERS - WHEN IN-TRANSIT STORAGE PERIOD EXCEED 30 DAYS, REQUIREMENTS IN PARAGRAPH 6.3, MIL-S-55507, AND TB 43-0124 SHALL BE FOLLOWED.

6.3 Changes from previous issue. Asterisks are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

6.4 Subject terms (key word) list.

Packaging
Paperboard
Provisioned item
Tie-down, Cargo, Aircraft, CGU-1/B
Set, sling, and installation hold-down assembly
Overflow items
Fully demountable
Skid base
Rubbing strips
Stowed load
Buttress blocking and bracing
"U" bolts
Nut eyes
Check nuts
Center of balance
Bolted demountable reusable crate
Tie-down straps
Preservation inspection
In-transit storage

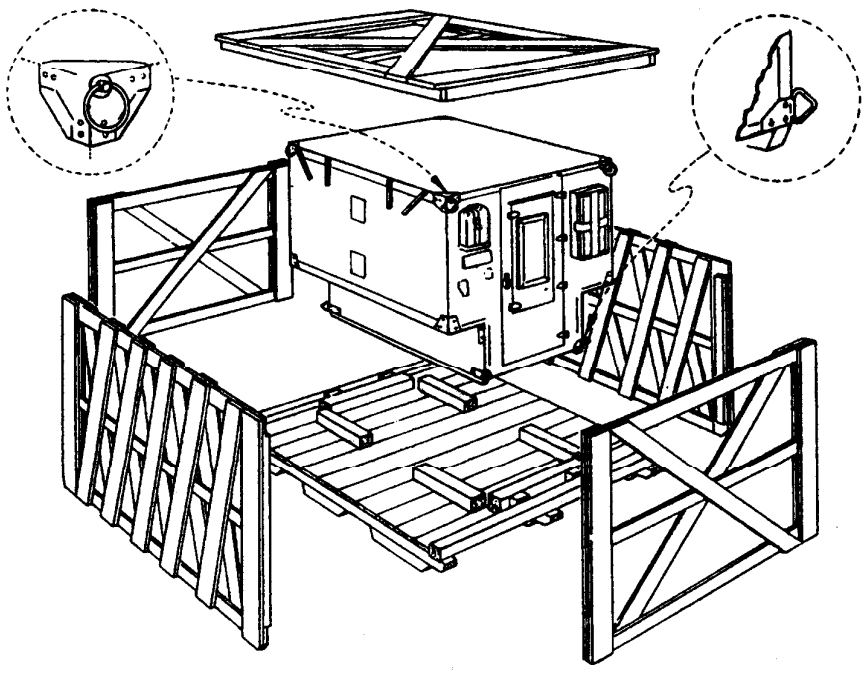
CONCLUDING MATERIAL

Custodian:
Army - CR

Review activity
Army - SM

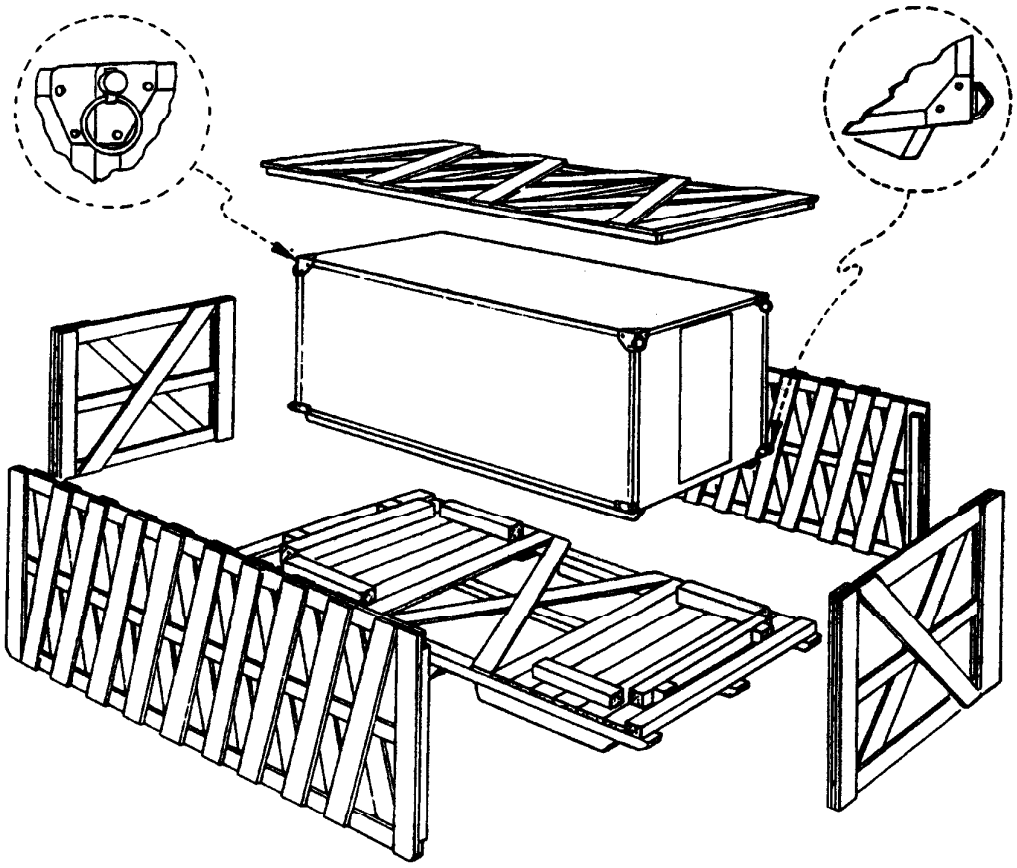
Preparing activity
Army - CR

(Project PACK-A397)



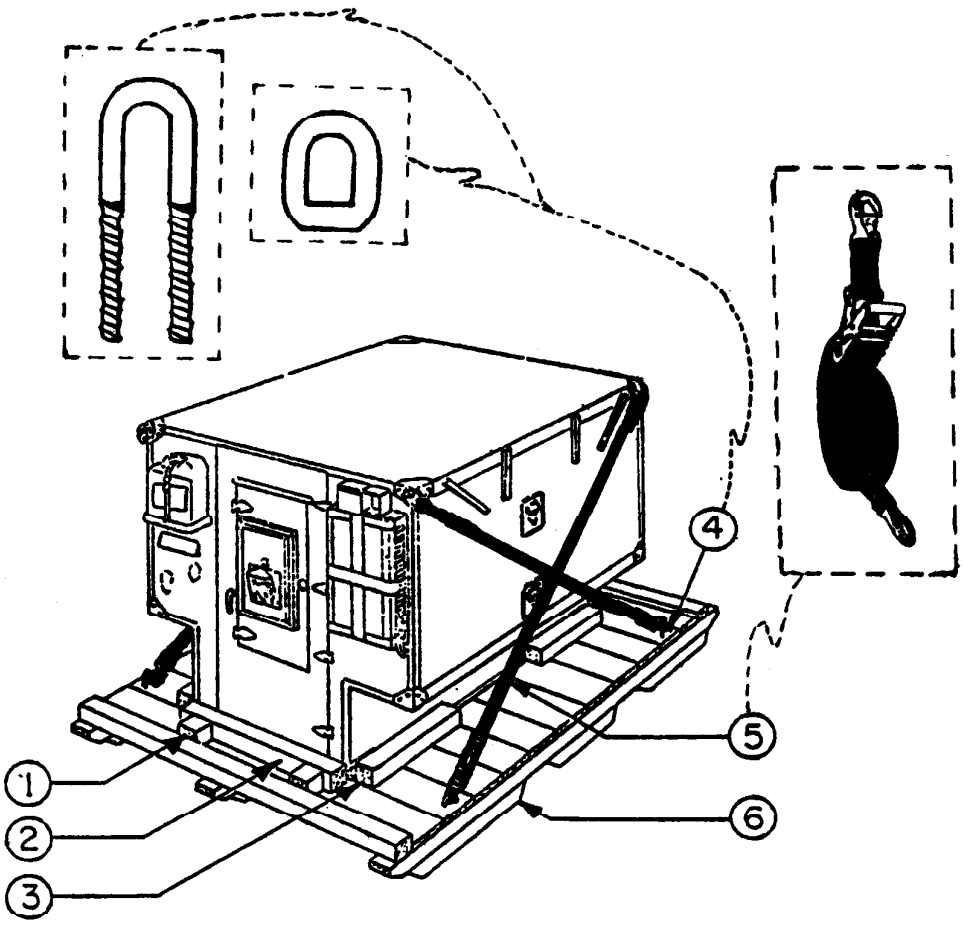
NOTE: Blocking at both ends of skid base is simulated to illustrate blocking requirements for shelters with projecting components.

FIGURE 1. Shelter crate components.



NOTE: Blocking at both ends of skid base is simulated to illustrate blocking requirements for shelters with projecting components.

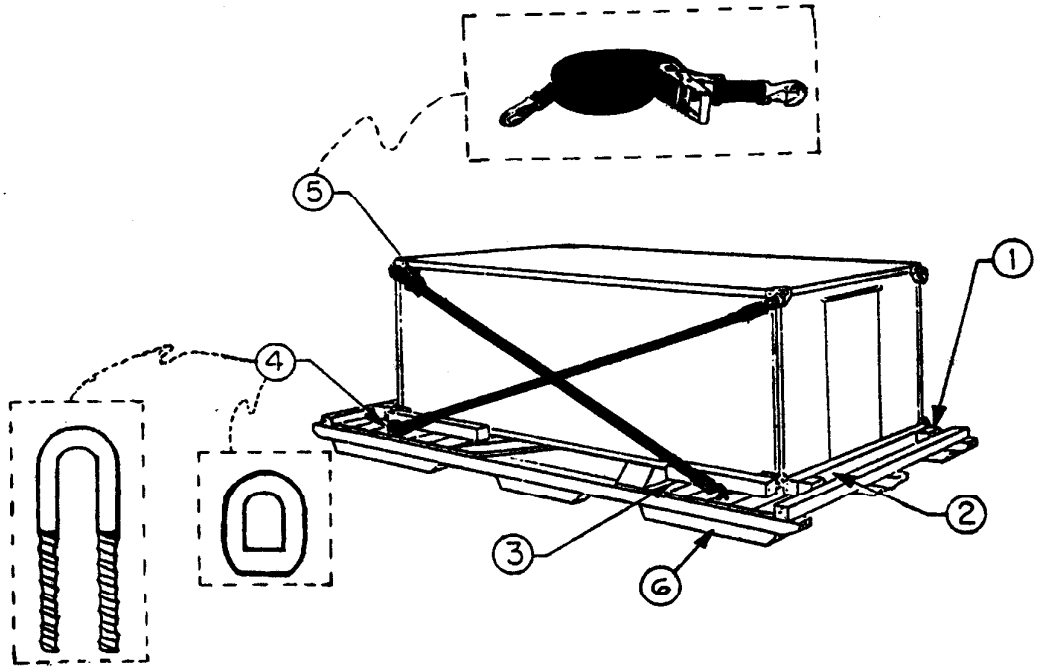
FIGURE 2. Shelter crate components.



ITEM	REQ.	DESCRIPTION
1	4	4" x 4" wood block *
2	2	4" x 4" wood block (notched as reqd) *
3	4	4" x 4" wood block *
4	4	U-bolts or carriage bolts w/nut eyes
5	4	Tie-down straps
6	3	4" x 4" lumber - rubbing strips

*Two pieces of 2 by 4 inch stock may be substituted to facilitate nailing to base.

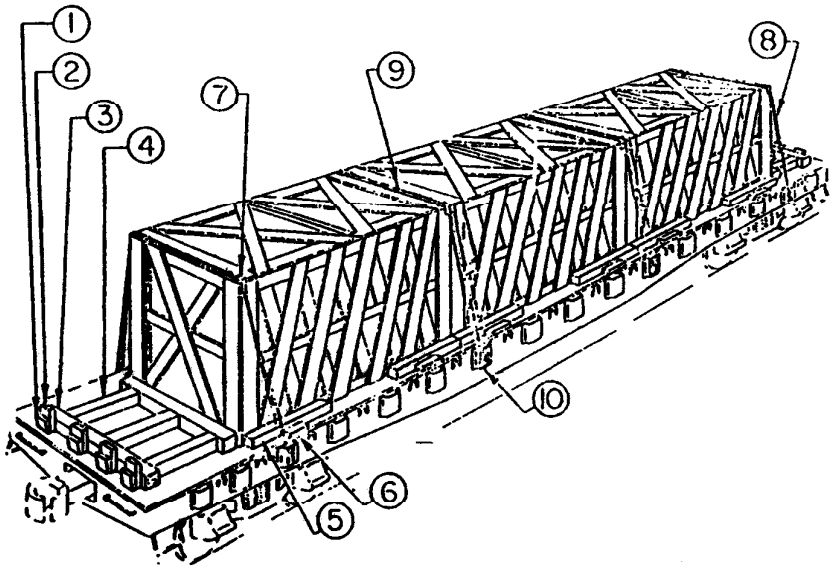
FIGURE 3. Shelter skid base with cargo tie-down straps.



ITEM	REQ.	DESCRIPTION
1	4	4" x 4" wood block *
2	2	4" x 4" wood block (notched as reqd) *
3	4	4" x 4" wood block *
4	4	U-bolts or carriage bolts w/nut eyes
5	4	Tie-down straps
6	3	4" x 4" lumber - rubbing strips ea. skid

*Two pieces of 2 by 4 inch stock may be substituted to facilitate nailing to base.

FIGURE 4. Shelter skid base with cargo tie-down straps.

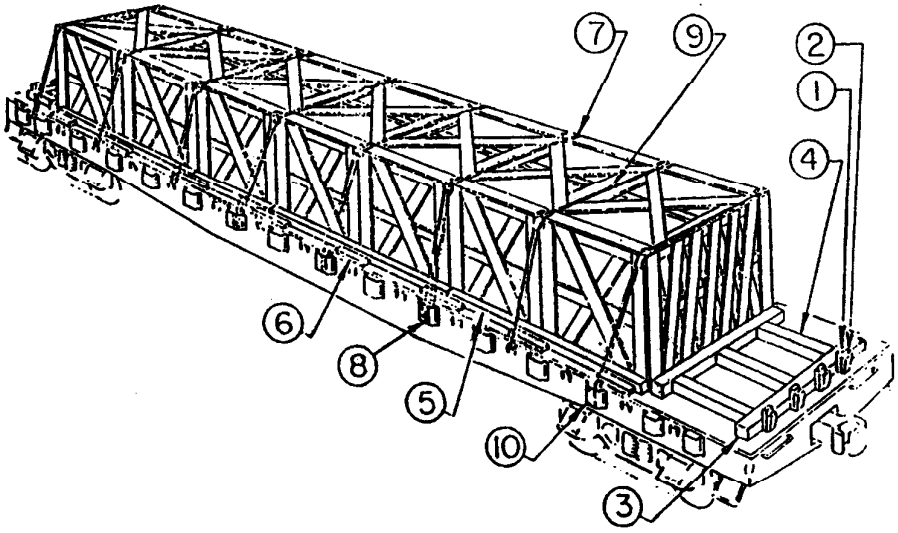


ITEM	REQ.	DESCRIPTION
1	8	Lumber wedge (To suit)
2	8	Lumber blocks stakes (To suit)
3	4	Lumber blocks 6" x 6" (To suit)
4	6	Lumber blocks 6" x 6" (To suit)
5	12	Lumber blocks 4" x 4" x 3"
6	12	Lumber blocks 2" x 4" x 14" (Center of Item No. 5)
7	12	Crate corner plates
8	24	4 single strands US steel, Grade C, #8, 2000 lb. test wire (3 loops at stake pocket)
9	16	Staples 1-1/2" x 1" gap
10 (a)	As reqd	Flexible metal sheeting (Stake pocket lining for Item No. 9)

NOTES: (a) Flexible metal sheeting (0.042 inch thick) cut to size shall be placed in stake pockets, i.e., securing point or securing device for metal wire tie-downs at points of contact. Upon machine tightening metal wire, sheeting will contour to a protective housing for the metal wire tie-down.

(b) Crates on flatcar containing shelter shall be butted.

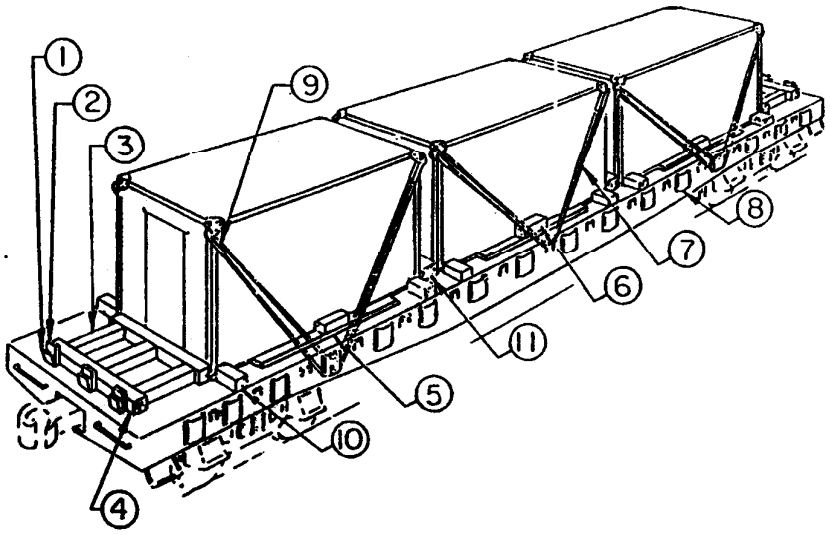
FIGURE 5. Shelter, crated.



ITEM	REQ.	DESCRIPTION
1	8	Lumber wedge (To suit)
2	8	Lumber blocks stakes (To suit)
3	4	Lumber blocks 6" x 6" (To suit)
4	6	Lumber blocks 6" x 6" (To suit)
5	As reqd	Lumber blocks 6" x 6" (On edge x 12' or to suit)
6	16	Lumber blocks 2" x 4" (To suit)
7	28	Crate corner plates
8	42	3 single strands US steel, Grade C, #8, 2000 lb. test wire (3 loops at stake pocket)
9	42	Staples 1-1/2" x 1" gap
10 (a)	As reqd	Flexible metal sheeting (Stake pocket lining for Item No. 9)

NOTES: (a) Flexible metal sheeting (0.042 inch thick) cut to size shall be placed in stake pockets, i.e., securing point or securing device for metal wire tie-downs at points of contact. Upon machine tightening metal wire, sheeting will contour to a protective housing for the metal wire tie-down.
(b) Crates on flatcar containing shelter shall be butted.

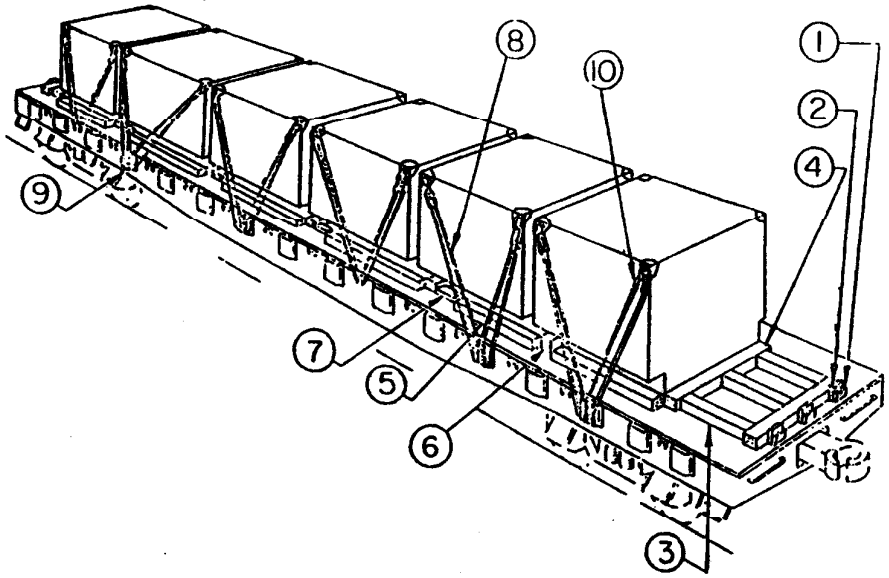
FIGURE 6. Shelter, crated.



ITEM	REQ.	DESCRIPTION
1	6	Lumber wedge (To suit)
2	6	Lumber blocks stakes (To suit)
3	6	Lumber blocks 6" x 6" (To suit)
4	4	Lumber blocks 6" x 6" (To suit)
5	6	Lumber blocks 2" x 6" x 10' (To suit)
6	6	Lumber blocks 4" x 4" x 14'
7	24	2 single strand US steel, Grade C, #8, 2000 lb. test
8 (a)	As reqd	Flexible metal sheeting (Stake pocket lining for Item No. 7)
9	As reqd	Sleeving plastic
10	12	Lumber blocks 6" x 6" x 16"
11	2	Lumber blocks 6" x 8" (To suit) (Flat between shelters)

NOTES: (a) Flexible metal sheeting (0.042 inch thick) cut to size shall be placed in stake pockets, i.e., securing point or securing device for metal wire tie-downs at points of contact. Upon machine tightening metal wire, sheeting will contour to a protective housing for the metal wire tie-down.

FIGURE 7. Shelter, crated.



ITEM	REQ.	DESCRIPTION
1	6	Lumber wedge (To suit)
2	6	Lumber blocks stakes (To suit)
3	6	Lumber blocks 6" x 6" (To suit)
4	4	Lumber blocks 6" x 6" (To suit)
5	12	Lumber blocks 4" x 4" x 38" (Side block)
6	10	Lumber blocks 4" x 4" x 64" (Between shelter)
7	10	Lumber blocks 2" x 4" (To suit) (Corner of shelters)
8	48	2 single strands US steel, Grade C, #8, 2000 lb. test wire (3 loops at stake pocket)
9	As reqd	Flexible metal sheeting (For Item No. 8)
10	As reqd	Sleeving plastic (For No. 8 tie-down wire under Item No. 8)

NOTES: (a) Flexible metal sheeting (0.042 inch thick) cut to size shall be placed in stake pockets, i.e., securing point or securing device for metal wire tie-downs at points of contact. Upon machine tightening metal wire, sheeting will contour to a protective housing for the metal wire tie-down.
(b) Load six to eight shelters per flatcar.

FIGURE 8. Shelter, crated.

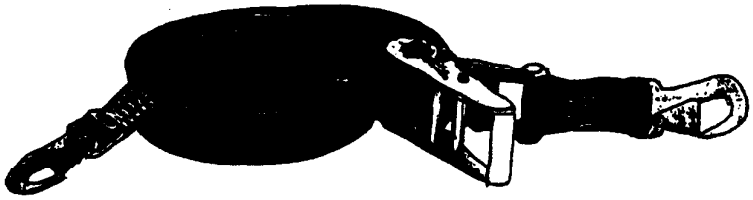


FIGURE 9. Tie-Down, Cargo, Aircraft, CGU-1/B.

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:	**1. DOCUMENT NUMBER** MIL-DTL-55507F	**2. DOCUMENT DATE (YYMMDD)** 970709

3. DOCUMENT TITLE SHELTER, ELECTRICAL EQUIPMENT (WITH OR WITHOUT EQUIPMENT), PACKAGING OF

4. NATURE OF CHANGE *(Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)*

5. REASON FOR RECOMMENDATION

6. SUBMITTER

a. NAME *(Last, First, Middle Initial)*	b. ORGANIZATION	
c. ADDRESS *(Include Zip Code)*	d. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON *(if applicable)*	**7.DATE SUBMITTED** (YYMMDD)

8. PREPARING ACTIVITY

a. NAME US ARMY COMMUNICATIONS-ELECTRONICS COMMAND	b. TELEPHONE *Include Area Code)* (1) Commercial (732) 532-2616 (2) AUTOVON 992-2616
c. ADDRESS *(Include Zip Code)* ATTN: AMSEL-LC-LEO-E-ET-3 FORT MONMOUTH, NJ 07703-5023	**IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:** DEFENSE QUALITY AND STANDARDIZATION OFFICE 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22401-3466 Telephone (703) 756-2340 AUTOVON 289-2340